

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 30   | (boronic or boric) near acid near dye                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2006/07/21 08:47 |
| S2    | 20   | coated near print near medium  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2005/12/05 10:37 |
| S3    | 2    | S1 S2  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2005/12/05 10:37 |
| S4    | 2818 | coated near medium   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2005/12/05 10:38 |
| S5    | 668  | ((boronic or boric) near acid) with dye                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2005/12/05 10:38 |
| S6    | 2    | S4 S5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND              | OFF     | 2005/12/05 10:38 |
| S7    | 107  | "4861728" "5108502" "5631364"<br>"5739318" "6312883" "6319540"       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/12/05 11:15 |
| S8    | 12   | ("4861728" "5108502" "5631364"<br>"5739318" "6312883" "6319540").pn. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/12/05 10:44 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S9  | 10  | S8 and (boron or boric or boronic)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 10:45 |
| S10 | 6   | S8 and (boron or boric or boronic) and (medium or paper or media or plastic or transparenc\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 10:48 |
| S11 | 9   | ink\$jet and (dye same (azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) same (boric or boronic or boron)) and ((coat or coating or coated same (polyhydroxylated)))            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 14:47 |
| S12 | 5   | ink\$jet and (dye same (azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) same (boric or boronic or boron) near acid ) and ((coat or coating or coated same (polyhydroxylated))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 11:10 |
| S13 | 6   | "0596700"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 11:09 |
| S14 | 158 | ink\$jet and boronic adj acid   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 11:10 |
| S15 | 118 | ink\$jet and (azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) and (boronic adj acid)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 11:11 |

## EAST Search History

|     |    |  |  |    |     |                  |
|-----|----|--|--|----|-----|------------------|
| S16 | 1  | ink\$jet and (azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) and (boronic adj acid) and polyhydroxylated   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 11:11 |
| S17 | 36 | ink\$jet and (azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) and (boronic adj acid) and ((coats or coating or coated or coat or cover or covered) with (paper or medium or media)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 11:14 |
| S18 | 68 | ("4861728" "5108502" "5631364" "5739318" "6312883" "6319540") and boronic adj acid   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 11:20 |
| S19 | 4  | ("4861728" "5108502" "5631364" "5739318" "6312883" "6319540") and ((boronic adj acid) near dye) and (coating or coated or coat or coats or cover or covering or covers)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 11:19 |
| S20 | 10 | ("4861728" "5108502" "5631364" "5739318" "6312883" "6319540") and (boronic adj acid) near dye  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 11:23 |
| S21 | 29 | ("4861728" "5108502" "5631364" "5739318" "6312883" "6319540") and (boronic adj acid) with dye  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 11:23 |
| S22 | 4  | ink\$jet and ((boronic adj acid) near4 dye) and medium   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/12/05 11:24 |

## EAST Search History

|     |      |  |  |     |     |                  |
|-----|------|--|--|-----|-----|------------------|
| S23 | 7    | ink\$jet and ((boronic adj acid) near4 dye) and (medium or media or paper or transparenc\$4 or plastic)    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/05 11:25 |
| S24 | 5938 | boronic adj acid and (medium or media or coated)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/05 11:27 |
| S25 | 144  | (boronic adj acid) and (medium or media) with (coated)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/05 11:27 |
| S26 | 17   | (boronic adj acid) and (medium or media) with (coated) and (ink\$jet or printer)                           | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/05 11:32 |
| S27 | 17   | (boronic adj acid or HO--B--OH) and (medium or media) with (coated) and (ink\$jet or printer)              | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2006/07/20 13:53 |
| S28 | 26   | (boronic adj acid) and (medium or media) with (coated or resin or fix or fixing) and (ink\$jet or printer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/05 11:34 |
| S29 | 158  | (boronic adj acid) and ink\$jet  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/05 11:34 |
| S30 | 3    | (boronic adj acid) near dye and ink\$jet   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/05 11:35 |

## EAST Search History

|     |       |   |   |     |     |                  |
|-----|-------|---|---|-----|-----|------------------|
| S31 | 7     | (boronic adj acid) with dye and ink\$jet  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/05 11:38 |
| S32 | 14    | (boronic adj acid) with dye same (medium or media or coated)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/05 11:42 |
| S33 | 70870 | (boronic or boric) near acid  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/05 12:35 |
| S34 | 6064  | ((boronic or boric) near acid) and (coat\$3 or glossy or cover\$3) with (media or medium or paper)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/05 12:38 |
| S35 | 587   | ((boronic or boric) near acid) and (coat\$3 or glossy or cover\$3) with (media or medium or paper) and ink\$jet                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/05 12:39 |
| S36 | 7     | ((boronic or boric) near acid) with dye and (coat\$3 or glossy or cover\$3) with (media or medium or paper) and ink\$jet                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/05 12:46 |
| S37 | 11    | ((boronic or boric) near acid) or methoxyphenyl with dye and (coat\$3 or glossy or cover\$3) with (media or medium or paper) and ink\$jet | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/05 12:54 |
| S38 | 3     | ((boronic)) with dye and (coat\$3 or glossy or cover\$3) with (media or medium or paper) and ink\$jet                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/05 12:56 |

## EAST Search History

|     |    |   |  |     |     |                  |
|-----|----|---|--|-----|-----|------------------|
| S39 | 15 | ((boronic or boron)) with dye and (coat\$3 or glossy or cover\$3) with (media or medium or paper) and ink\$jet  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/05 12:57 |
| S40 | 3  | ((boronic adj acid)) with dye and (coat\$3 or glossy or cover\$3) with (media or medium or paper) and (ink or ink\$jet or printer)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/05 14:09 |
| S41 | 3  | "6893109"   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/05 14:09 |
| S42 | 3  | "6494942"   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/05 14:47 |
| S43 | 1  | S42 and boronic   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/05 14:48 |
| S44 | 0  | S43 and (boric or boronic) and (azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/05 14:50 |
| S45 | 0  | S43 and polyhydroxylated  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/05 14:50 |
| S46 | 0  | S43 and polyhydroxylate   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/05 14:54 |

## EAST Search History

|     |        |   |   |    |     |                  |
|-----|--------|---|---|----|-----|------------------|
| S47 | 384869 | polyhydroxylated adn hydroxyl   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 14:55 |
| S48 | 1      | (polyhydroxylated and hydroxyl) same (media or medium or paper or coating or coat) and ink\$jet | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 14:56 |
| S49 | 1      | (polyhydroxylated)same (media or medium or paper or coating or coat) and ink\$jet               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 14:56 |
| S50 | 14     | (polyhydroxylated) and hydroxyl and ink\$jet  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 14:59 |
| S51 | 2966   | (polyhydroxylated)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 14:59 |
| S52 | 6      | (polyhydroxylated) and "347"/\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 15:02 |
| S53 | 57     | (hydroxylated) and "347"/\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 15:02 |
| S54 | 56     | (hydroxylated) and "347"/\$3 and (coat or paper or medium or media or coating)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/05 15:03 |

## EAST Search History

|     |     |   |  |     |     |                  |
|-----|-----|---|--|-----|-----|------------------|
| S55 | 11  | (hydroxylated) same (coat or paper or medium or media or coating) and "347"/\$3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/06 07:33 |
| S56 | 6   | polyhydroxylat\$4 and "347"/\$3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/06 07:39 |
| S57 | 17  | (polyhydroxylat\$4 or hydroxylat\$4) same (paper or medium or glossy or coat or coating or coats or coated or media) and "347"/\$3                            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR  | OFF | 2005/12/06 07:40 |
| S58 | 23  | polyhydroxylat\$2 same (coat or coats or coating or cover or covers or covering or layer or film) same (medium or paper or media)                             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 08:19 |
| S59 | 127 | (polyhydroxylat\$2 same hydroxyl) (coat or coats or coating or cover or covers or covering or layer or film) same (medium or paper or media)                  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 08:20 |
| S60 | 9   | (polyhydroxylat\$2 same hydroxyl) same (coat or coats or coating or cover or covers or covering or layer or film) same (medium or paper or media)             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 08:22 |
| S61 | 1   | (polyhydroxylat\$2 same hydroxyl) and (coat or coats or coating or cover or covers or covering or layer or film) same (medium or paper or media) and ink\$jet | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 10:04 |
| S62 | 10  | (polyhydroxylat\$2 same hydroxyl) and (coat or coats or coating or cover or covers or covering or layer or film) with (medium or paper or media) and ink      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 08:25 |

## EAST Search History

|     |      |   |   |     |     |                  |
|-----|------|---|---|-----|-----|------------------|
| S63 | 6    | polyhydroxylat\$2 and "347"/\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 08:26 |
| S64 | 3009 | polyhydroxylat\$2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 08:26 |
| S65 | 290  | print\$3 and S64  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 08:27 |
| S66 | 555  | hydroxylat\$2 same (coat or coats or coating or cover or covers or covering or layer or film) same (medium or paper or media)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 08:27 |
| S67 | 3    | hydroxylat\$2 same (coat or coats or coating or cover or covers or covering or layer or film) same (medium or paper or media) and ink\$jet                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 08:28 |
| S68 | 197  | hydroxylat\$2 and (coat or coats or coating or cover or covers or covering or layer or film) same (medium or paper or media) and ink\$jet                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 08:28 |
| S69 | 28   | hydroxylat\$2 same (hydroxyl or OH or HO) and (coat or coats or coating or cover or covers or covering or layer or film) same (medium or paper or media) and ink\$jet | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 09:43 |
| S70 | 11   | Crylcoat adj "291"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 09:36 |

## EAST Search History

|     |        |   |  |     |     |                  |
|-----|--------|---|--|-----|-----|------------------|
| S71 | 12     | hydroxyl\$2 same (hydroxyl or OH or HO) same (polyvinyl or alcohol or cellulose or sugar or starch) and (coat or coats or coating or cover or covers or covering or layer or film) same (medium or paper or media) and ink\$jet | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 09:45 |
| S72 | 3087   | adjacent adj (atom\$1)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 10:16 |
| S73 | 370848 | hydroxyl  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 10:05 |
| S74 | 38     | S72 with S73  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 10:28 |
| S75 | 5      | S72 with S73 and ink  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 10:09 |
| S76 | 655    | (non\$adjacent or not\$adjacent) adj (atom\$1)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 10:19 |
| S77 | 2      | S76 with S73  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 10:18 |
| S78 | 655    | (non\$adjacent) adj (atom\$1)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | OFF | 2005/12/13 10:19 |

## EAST Search History

|     |     |  |   |     |     |                  |
|-----|-----|--|---|-----|-----|------------------|
| S79 | 517 | S78 same S73   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 10:19 |
| S80 | 1   | S72 with S73 and ink\$jet  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 10:48 |
| S81 | 21  | S72 with S73 and (paper or medium or media or coat or coating or coats or cover or covering) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 10:57 |
| S82 | 1   | S72 with S73 and "428"/\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 10:56 |
| S83 | 1   | S72 with S73 and "428"/\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 10:53 |
| S84 | 13  | S72 same S73 and "428"/\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 10:57 |
| S85 | 8   | S72 same S73 and "428"/3\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 10:57 |
| S86 | 8   | S72 with S73 and (paper or ink\$jet or print\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 10:59 |

## EAST Search History

|     |        |  |   |     |     |                  |
|-----|--------|--|---|-----|-----|------------------|
| S87 | 675    | S72 and (paper or ink\$jet or print\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 10:59 |
| S88 | 6      | S72 and (paper or ink\$jet or print\$3) and polyhydroxylated   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 11:00 |
| S89 | 386    | S73 and (paper or ink\$jet or print\$3) and polyhydroxylated   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 11:01 |
| S90 | 35     | polyhydroxylated same S73 same atom and (paper or ink\$jet or print\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2005/12/13 11:02 |
| S91 | 30     | ("2518731"   "3622316"   "3726854"   "3853913"   "3976493"   "3976640"   "4040825"   "4138551"   "4185151"   "4306875"   "4382801"   "4950587"   "5055387"   "6117629").PN. OR ("5108502"   "6312883").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | OFF | 2006/01/05 07:28 |
| S92 | 2580   | polyhydroxylate\$1   | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | OFF | 2006/01/05 07:41 |
| S93 | 217001 | "347"/\$3 or "428"/\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 07:30 |
| S94 | 166    | S92 and S93  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 07:31 |

## EAST Search History

|      |        |   |   |     |     |                  |
|------|--------|---|---|-----|-----|------------------|
| S95  | 26     | S92 with (coat\$3 or paper or media or cover\$3) and S93                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 07:45 |
| S96  | 3652   | di\$hydroxyl\$4   | US-PGPUB;<br>USPAT;<br>USOCR                                      | AND | OFF | 2006/01/05 07:41 |
| S97  | 10     | S96 with (coat\$3 or paper or media or cover\$3) and S93                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 07:43 |
| S98  | 7      | S96 with (coat\$3 or paper or media or cover\$3) and print\$3                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 07:45 |
| S99  | 50     | (two near hydroxyl) with (coat\$3 or paper or media or cover\$3) and print\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 07:47 |
| S100 | 17     | S92 with (coat\$3 or paper or media or cover\$3) and print\$3                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 07:45 |
| S101 | 83     | deardurff.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 07:47 |
| S102 | 372474 | hydroxyl  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:06 |
| S103 | 67     | polyhydroxylated same S102 same atom\$1 and (paper or ink\$jet or print\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:07 |

## EAST Search History

|          |     |  |   |     |     |                  |
|----------|-----|--|---|-----|-----|------------------|
| S10<br>4 | 2   | polyhydroxylated same S102 same atom\$1 same coat\$3 and (paper or ink\$jet or print\$3)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:09 |
| S10<br>5 | 1   | polyhydroxylated same S102 same atom\$1 same coat\$3 and (ink\$jet or print\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:09 |
| S10<br>6 | 70  | (polyhydroxyl\$4 or di\$hydroxyl\$4 or two near hydroxyl) same atom\$1 same coat\$3 and (ink\$jet or print\$3)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:16 |
| S10<br>7 | 725 | (polyhydroxyl\$4 or di\$hydroxyl\$4 or two near hydroxyl) same (resin or coat\$3 or cover\$3) and (ink\$jet or print\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:18 |
| S10<br>8 | 386 | (polyhydroxyl\$4 or di\$hydroxyl\$4 or two near hydroxyl) with (resin or coat\$3 or cover\$3) and (ink\$jet or print\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:18 |
| S10<br>9 | 382 | (polyhydroxyl\$4 or di\$hydroxyl\$4 or two near hydroxyl) with (resin or coat\$3) and (ink\$jet or print\$3)             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:23 |
| S11<br>0 | 60  | (polyhydroxyl\$4 or di\$hydroxyl\$4 or two near hydroxyl) with (resin or coat\$3) and (ink\$jet or printer)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:27 |
| S11<br>1 | 29  | S110 and coat and resin  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:26 |

## EAST Search History

|          |    |  |   |     |     |                  |
|----------|----|--|---|-----|-----|------------------|
| S11<br>2 | 48 | S110 and coat\$3 and resin   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:26 |
| S11<br>3 | 24 | (polyhydroxyl\$4 or di\$hydroxyl\$4 or two near hydroxyl) with (resin or coat\$3) and (ink\$jet)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:17 |
| S11<br>4 | 0  | "6494942" and covalent\$2 and boronic and coat\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:35 |
| S11<br>5 | 1  | "6494942" and covalent\$2 and boronic  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:36 |
| S11<br>6 | 1  | "6494942" and covalent\$2 and boronic and glossy   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 08:36 |
| S11<br>7 | 1  | (polyhydroxyl\$4 or di\$hydroxyl\$4 or two near hydroxyl) with covalent with (resin or coat\$3 or medium or paper or media) and (ink\$jet) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:18 |
| S11<br>8 | 1  | (polyhydroxyl\$4 or di\$hydroxyl\$4 or two near hydroxyl) with covalent with (boric or boronic) and (ink\$jet)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:19 |
| S11<br>9 | 1  | (polyhydroxyl\$4 or di\$hydroxyl\$4 or two near hydroxyl) same covalent same (boric or boronic) and (ink\$jet)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:19 |

## EAST Search History

|          |    |   |   |     |     |                  |
|----------|----|---|---|-----|-----|------------------|
| S12<br>0 | 1  | (polyhydroxyl\$4 or di\$hydroxyl\$4 or two near hydroxyl) same covalent same (acid) and (ink\$jet)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:19 |
| S12<br>1 | 2  | (polyhydroxyl\$4 or di\$hydroxyl\$4 or two near hydroxyl) same covalent same (ink) and (ink\$jet)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:21 |
| S12<br>2 | 17 | (polyhydroxyl\$4 or di\$hydroxyl\$4 or two near hydroxyl) same covalent same (boric or boronic or azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:49 |
| S12<br>3 | 34 | (coat\$3 or resin) with hydroxyl same covalent same (boric or boronic or azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:26 |
| S12<br>4 | 2  | (coat\$3 or resin) with hydroxyl same covalent same (boric or boronic or azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) and ink\$jet  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:29 |
| S12<br>5 | 1  | ((coat\$3 or resin) with (hydroxyl or OH)) same covalent same ((boric or boronic or azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) with (media or medium or paper or plastic or print\$2 or matter)) and ink\$jet | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:31 |

## EAST Search History

|          |     |   |   |     |     |                  |
|----------|-----|---|---|-----|-----|------------------|
| S12<br>6 | 1   | ((coat\$3 or resin) same (hydroxyl or OH)) same covalent same ((boric or boronic or azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) same (media or medium or paper or plastic or print\$2 or matter)) and ink\$jet | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:31 |
| S12<br>7 | 9   | coat\$3 same covalent same dye with ink\$jet  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:41 |
| S12<br>8 | 23  | coat\$3 same covalent same dye and ink\$jet   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:42 |
| S12<br>9 | 5   | coat\$3 with covalent with dye and ink\$jet   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:45 |
| S13<br>0 | 2   | coat\$3 with covalent with (boronic or boric or boron) and ink\$jet   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:48 |
| S13<br>1 | 200 | (coat\$3 or resin) same covalent same (boric or boronic or azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:49 |

## EAST Search History

|          |    |  |   |     |     |                  |
|----------|----|--|---|-----|-----|------------------|
| S13<br>2 | 9  | (coat\$3 or resin) same covalent same (boric or boronic or azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) and ink\$jet   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 14:01 |
| S13<br>3 | 31 | (coat\$3 or resin) same covalent same (dye or boric or boronic or azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) and ink\$jet  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 09:52 |
| S13<br>4 | 13 | (coat\$3 or resin or paper or media or medium or layer\$1) with covalent with (hydroxyl or boric or boronic or azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) and ink\$jet\$3          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 14:06 |
| S13<br>5 | 97 | (coat\$3 or resin or paper or media or medium or layer\$1) same covalent same (hydroxyl or boric or boronic or azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) and ink\$jet\$3 and ink  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 14:07 |
| S13<br>6 | 11 | (coat\$3 or resin or paper or media or medium or layer\$1) same covalent same ink same (hydroxyl or boric or boronic or azo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) and ink\$jet\$3 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 14:21 |

## EAST Search History

|          |        |  |   |     |     |                  |
|----------|--------|--|---|-----|-----|------------------|
| S13<br>7 | 690    | (coat\$3 or resin or paper or media or medium or layer\$1) same hydroxyl\$4 same silica and ink  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 14:22 |
| S13<br>8 | 153    | (coat\$3 or resin or paper or media or medium or layer\$1) same hydroxyl\$4 same silica and ink\$jet and ink                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 14:38 |
| S13<br>9 | 774273 | dye with boron or boronic or boric and hydroxyl or hydroxylated or OH  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 14:32 |
| S14<br>0 | 811    | dye with (boron or boronic or boric) and (hydroxyl or hydroxylated or OH)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 14:32 |
| S14<br>1 | 18     | dye with (boron or boronic or boric) and (hydroxyl or hydroxylated or OH) and ink\$jet\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 14:32 |
| S14<br>2 | 6      | (coat\$3 or resin or paper or media or medium or layer\$1) same hydroxyl\$4 same silica and ink\$jet and ink and (hydroxylate\$1 with hydroxyl)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 14:40 |
| S14<br>3 | 2      | (coat\$3 or resin or paper or media or medium or layer\$1) same hydroxyl\$4 same silica and ink\$jet and ink and (hydroxylate\$1 with compound\$1) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 14:40 |
| S14<br>4 | 17     | (coat\$3 or resin or paper or media or medium or layer\$1) same hydroxyl\$4 same compound same silica and ink\$jet and ink                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 14:52 |

## EAST Search History

|          |      |  |   |     |     |                  |
|----------|------|--|---|-----|-----|------------------|
| S14<br>5 | 12   | (coat\$3 or resin or paper or media or medium or layer\$1) same (hydroxyl\$4 or OH or HO) same (boron or boric or boronic or B) same compound same silica and ink\$jet and ink | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 15:02 |
| S14<br>6 | 4    | (coat\$3 or resin or paper or media or medium or layer\$1) same (hydroxyl\$4 or OH or HO) same (boron or boric or boronic) same compound same silica and ink\$jet and ink      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 15:06 |
| S14<br>7 | 12   | (coat\$3 or resin or paper or media or medium or layer\$1) same (hydroxyl\$4 or OH or HO) same (boron or boric or boronic) same compound and ink\$jet and ink                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 15:06 |
| S14<br>8 | 39   | (coat\$3 or resin or paper or media or medium or layer\$1) same (hydroxyl\$4 or OH or HO) same (boron or boric or boronic) and ink\$jet and ink                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 15:07 |
| S14<br>9 | 8    | (coat\$3 or resin or paper or media or medium or layer\$1) same (hydroxyl\$4 or OH or HO) same (boron or boric or boronic) same silica and ink\$jet and ink                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/01/05 15:07 |
| S15<br>0 | 3948 | (print with (medium or media) or paper) and coat\$3 with (poly\$hydroxylat\$3 or di\$hydroxylat\$3 or hydroxyl or hydroxylat\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/02/01 07:58 |
| S15<br>1 | 217  | (print with (medium or media) or paper) and coat\$3 with (poly\$hydroxylat\$3 or di\$hydroxylat\$3 or hydroxylat\$3) and (hydroxyl or OH or HO)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/02/01 08:41 |
| S15<br>3 | 184  | (print with (medium or media) or paper) and coat\$3 with (poly\$hydroxylat\$3 or di\$hydroxylat\$3 or hydroxylat\$3) and (hydroxyl)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/02/14 11:52 |

## EAST Search History

|          |      |   |   |     |     |                  |
|----------|------|---|---|-----|-----|------------------|
| S15<br>4 | 5    | (print\$3 near2 (medium or media))<br>and coat\$3 with (poly\$hydroxylat\$3<br>or di\$hydroxylat\$3 or hydroxylat\$3)<br>and (hydroxyl) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/02/01 09:31 |
| S15<br>5 | 2    | ("4565760".pn.)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/02/01 09:28 |
| S15<br>6 | 91   | (print\$3 near2 (medium or media))<br>and coat\$3 same (hydroxyl) near2<br>groups   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/02/01 09:32 |
| S15<br>7 | 2    | "20040125169"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/02/14 11:29 |
| S15<br>8 | 1715 | 347/100   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/02/14 11:52 |
| S15<br>9 | 4    | ("6494942" "4877686").pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2006/06/30 12:09 |
| S16<br>0 | 31   | "5973025"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/07/17 14:49 |
| S16<br>1 | 1    | 10/772725   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/07/20 14:28 |

## EAST Search History

|          |    |   |   |     |     |                  |
|----------|----|---|---|-----|-----|------------------|
| S16<br>2 | 0  | 10/772725 and polyhydroxylat\$3 same example  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/07/20 14:28 |
| S16<br>3 | 0  | 10/772725 and polyhydroxylat\$3 same example  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/07/20 14:28 |
| S16<br>4 | 1  | 10/772725 and polyhydroxylat\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/07/20 14:38 |
| S16<br>5 | 16 | (347/100 or "106"/\$5) and (cis\$diol) and (trans\$diol) and ink                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON  | 2006/07/20 14:40 |
| S16<br>6 | 6  | ("6494942" "4877686" "20040125169").pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/07/20 14:45 |
| S16<br>7 | 6  | ("6494942" "4877686" "5973025").pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/07/20 14:46 |
| S16<br>8 | 3  | ("6494942" "4877686" "5973025").pn. and (OH or hydroxyl)                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/07/20 14:47 |
| S16<br>9 | 81 | ((polyhydroxylat\$3) same (medium or paper or media)) and (polyhydroxylat\$3 same hydroxyl) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/07/20 14:48 |

## EAST Search History

|          |       |  |  |    |    |                  |
|----------|-------|--|--|----|----|------------------|
| S17<br>0 | 33    | ((polyhydroxylat\$3) with (medium or paper or media)) and (polyhydroxylat\$3 same hydroxyl)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/20 14:49 |
| S17<br>1 | 98794 | paper same (glycol or cellulose or sugar or (polyvinyl near alcohol) or pvoh)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/20 14:50 |
| S17<br>2 | 18395 | paper same (glycol or cellulose or sugar or (polyvinyl near alcohol) or pvoh) with coat\$3   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/20 14:50 |
| S17<br>3 | 118   | paper same (glycol or cellulose or sugar or (polyvinyl near alcohol) or pvoh) with coat\$3 with hydroxyl   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/21 08:05 |
| S17<br>4 | 7     | (paper or medium) with (coat\$3 or layer) with polyhydroxylated  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/21 08:06 |
| S17<br>5 | 21574 | (paper or medium) with (coat\$3 or layer) with (glycol or cellulose or sugar or pvoh or (polyvinyl near alcohol))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/21 08:09 |
| S17<br>6 | 1290  | (paper or medium) with (coat\$3 or layer) with (glycol or cellulose or sugar or pvoh or (polyvinyl near alcohol)) and ink\$jet\$4  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/21 08:48 |
| S17<br>7 | 0     | (paper or medium) with (coat\$3 or layer) with (glycol or cellulose or sugar or pvoh or (polyvinyl near alcohol)) same (polyhydroxylat\$3 or dihydroxylat\$3 or bihydroxylat\$3) and ink\$jet\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/07/21 08:43 |

## EAST Search History

|          |    |   |   |     |     |                  |
|----------|----|---|---|-----|-----|------------------|
| S17<br>8 | 16 | (paper or medium) with (coat\$3 or layer) with (glycol or cellulose or sugar or pvoh or (polyvinyl near alcohol)) same (polyhydroxylat\$3 or dihydroxylat\$3 or bihydroxylat\$3 or hydroxyl) and ink\$jet\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/07/21 08:45 |
| S17<br>9 | 1  | 10/772725   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/07/21 08:47 |
| S18<br>0 | 6  | (paper or medium) with (coat\$3 or layer) with (glycol or cellulose or sugar or pvoh or (polyvinyl near alcohol)) and ink\$jet\$4 and (cis\$diol)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/07/21 08:50 |
| S18<br>1 | 20 | (paper or medium) with (coat\$3 or layer) with (glycol or cellulose or sugar or pvoh or (polyvinyl near alcohol)) and (cis\$diol)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/07/21 08:50 |
| S18<br>2 | 1  | (paper or medium) with (coat\$3 or layer) same (cis\$diol) and ink\$jet\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/07/21 08:56 |
| S18<br>3 | 35 | (paper or medium) with (coat\$3 or layer) with ((ethylene near glycol) and (diethylene near glycol))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/07/21 08:58 |
| S18<br>4 | 11 | (paper or medium) with (coat\$3 or layer) with ((ethylene near glycol) and (diethylene near glycol)) and (azo or diazo or triphenylmethane or anthraquinone or methine or xanthine or oxazine or thiazine or azine or thiazole or quinolinone or aminoketone or nitro or nitroso or phthalocyanine or acridine or indamine or indophenol) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/07/21 10:05 |

## EAST Search History

|          |      |   |   |     |     |                  |
|----------|------|---|---|-----|-----|------------------|
| S18<br>5 | 1901 | 347/100   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON  | 2006/07/21 10:05 |
| S18<br>8 | 1    | ((boronic near acid) with dye) and<br>(coat\$3 with (polyhydroxyl\$4))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/18 11:27 |
| S18<br>9 | 7    | ((boronic near acid) with dye) and<br>((paper or medium or media) with<br>(polyhydroxyl\$4))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/18 11:28 |
| S19<br>0 | 4    | ((boronic near3 acid) with (dye or<br>colorant or color\$3)) same hydroxyl  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/18 11:35 |
| S19<br>1 | 6    | ((boronic near3 acid) with (dye or<br>colorant or color\$3)) and (dye or<br>colorant or color\$3) with hydroxyl   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/18 11:36 |
| S19<br>2 | 7    | ((boronic near3 acid) with (dye or<br>colorant or color\$3 or pigment))<br>and (dye or colorant or color\$3 or<br>pigment or ink) with hydroxyl           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/18 11:43 |
| S19<br>3 | 16   | ((boronic near3 acid) with (dye or<br>colorant or color\$3 or pigment or<br>ink)) and (dye or colorant or<br>color\$3 or pigment or ink) with<br>hydroxyl | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/18 11:36 |
| S19<br>4 | 105  | ((boronic near3 acid) with (dye or<br>colorant or color\$3))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/18 11:43 |

## EAST Search History

|          |      |   |   |     |     |                  |
|----------|------|---|---|-----|-----|------------------|
| S19<br>5 | 72   | (boronic near3 acid with dye)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/18 11:44 |
| S19<br>6 | 6    | (boronic near3 acid with dye) and ink.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/18 11:44 |
| S19<br>7 | 2    | (poly\$1hydroxyl\$5 with (coat\$3 or layer\$3 or fix\$3 or liquid) same pigment) and ink                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/19 09:52 |
| S19<br>8 | 1    | 10/772725   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/19 09:21 |
| S19<br>9 | 1    | 10/772725 and polyhydroxyl\$5   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/19 09:22 |
| S20<br>0 | 4194 | ((polyvinyl near alcohol or silica or alumina) with (coat\$3 or layer\$3 or fix\$3 or liquid) same pigment) and ink | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/19 09:25 |
| S20<br>1 | 2745 | (((polyvinyl near alcohol) or silica or alumina) with (coat\$3 or fix\$3) same pigment) and ink                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/19 09:26 |
| S20<br>2 | 0    | (((polyvinyl near alcohol) or silica or alumina) with (coat\$3 or fix\$3) same pigment near3 boronic) and ink       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/19 09:26 |

## EAST Search History

|          |    |  |   |     |     |                  |
|----------|----|--|---|-----|-----|------------------|
| S20<br>3 | 19 | ((polyvinyl near alcohol) or silica or alumina) with (coat\$3 or fix\$3) same pigment with boron\$2) and ink   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/19 09:27 |
| S20<br>4 | 18 | (poly\$1hydroxyl\$5 with (coat\$3 or layer\$3 or fix\$3 or liquid) and dye) and ink                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/19 09:55 |
| S20<br>5 | 2  | (poly\$1hydroxyl\$5 with (coat\$3 or layer\$3 or fix\$3 or liquid) and dye) and ink and (347/100 or "106"/\$5) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | OFF | 2006/12/19 09:56 |